

5. Starting with Voice Control

This facility permits to start the process times with a sound. In this way, both hands remain free for work.

- Press the Reset button (8) to get to process step "1".
- To start the process step, a loud noise will do. The displayed time then runs down visibly. 17 seconds before the end of the process step, a buzzer sounds. You now have time to disconnect the drum or to operate the lift. After the process time, the time counts up again. In the status display (4) a "-" symbol appears, and the buzzer sounds continuously.
- By another sound or noise, the next process step is automatically started and confirmed by a buzzer signal.

Note: During the running process time, the Voice Control is de-activated. When the process time is over, the function is automatically re-activated, i.e. during the running process time no sound can cause an unwanted start of the next process step.

6. Adjusting the sensitivity of the Voice-Control

If ambient noises in your laboratory start the process timer by Voice Control, or if the start noises have to be too loud, you can adjust the sensitivity to your requirements on the instrument front panel (11) by means of the enclosed screwdriver (left stop = Voice Control off).

Note: When the Voice Control is activated, the timer may be started immediately upon switching on the PT 16. In this case, simply press the Reset button (8) to stop the running time and to return to the starting position.

7. Starting through the Lift sensor (4615)

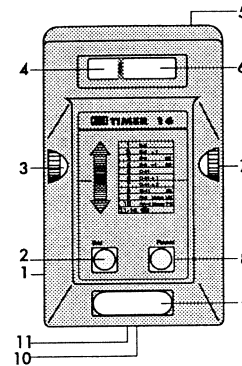
In connection with the Lift sensor the manually operated Timer 16 is converted to a process timer automatically controlled by the Lift of the processors.

The Lift sensor can be subsequently fitted to all JOBO Lifts for CPA/CPP and CPE!

8. Using the fixed programmes

Set the program selector switch to the required programme number. Press the Reset button. Start by pressing the Start button or using the Voice Control.

The programmes from 1-10 include common processes. The chart on the instrument describes the processes with abbreviations. The times fixed in these programmes can be found on the last pages of these instructions.



You have purchased a modern processor-controlled instrument. In order to make optimum use of all its functions, please read the operating instructions.

The packing of the PT16 rightly bears the "Green point", because the ratio of package volume to contents is a very good one. Please share our efforts to save our environment and - if you do not want to use the packing as a permanent protection of your instrument - please remember that the material can be recycled and dispose of it accordingly.

Safety instruction

Before connecting the device to the mains supply, check whether the voltage on the type plate corresponds to your mains supply.

1. Technical specification

Voltage	230 V 50/60 Hz 115 V 50/60 Hz
Own consumption	5.5 W
Timer range	1 sec - 99.5 mins
Process steps per programme	9
Fixed programmes	10
Free programmes	6

2. Scope of supply

- 1 PT 16
- 1 operating manual
- 1 leaflet with safety instructions
- 1 screw driver

3. Entering process times

- Switch on the PT 16 with the mains switch (5).
- With the wheel (7) select a programme 11-16. (Only these programmes can be assigned freely!)

By pressing the Set button (2) you can see the process step 1 (flashing) in the status display (4). The process time indicated in the value display (6) can be altered by turning the input wheel (3).

- By pressing the set button you go to the next process step.
- By pressing the Reset button (8) again, you turn off the input mode and directly get to process step "1" from any other process step.

Display	Time
0.01	1 second
9.59	9 minutes and 59 seconds
10.0	10 minutes
99.5	99 minutes and 50 seconds

Remark: All data remain stored even after the mains is disconnected. In the annex you will moreover find charts where you can enter your process times.

4. Starting with the Start button

- Set the programme selector switch (7) to the required programme.
- Press the Reset button (8) to get to process step "1".
- To start the process step, you now press the start button (9). The start is confirmed by a buzzer signal and the displayed time runs down visibly. Since with process step times of more than 10 minutes the last digit only changes every 10 seconds, the point between the second and third digit flashing at a second's interval also indicates that the process time runs. 17 seconds before the end of the process step, a buzzer sounds. After the process time, the time counts up again. In the status display (4), a "-" symbol appears, and the buzzer sounds at intervals.
- By pressing the start button (9) you directly start the next process step, even if the current one is not yet completed.